

# STEAMFITTER

BOILERS/BURNERS \*\*\* CONTROLS \*\*\* REFRIGERATION

The Steamfitter position will be filled based on three specialties Boilers/Burners, Controls, and Refrigeration. The resulting eligible list from this examination may be used to fill similar City of Milwaukee positions.

## **PURPOSE:**

- The Steamfitter designs, installs, repairs, and maintains a variety of HVAC systems and equipment throughout the buildings under the authority of the Milwaukee Public Schools.

## **ESSENTIAL FUNCTIONS (*vary according to specialty*):**

- **Persons hired as Steamfitters are expected to be able to perform the functions typically associated with this trade at the journey level.**

### **Specialty-Boilers/Burners:**

- Install and maintain industrial and commercial gas, oil, and boiler/burner equipment.
- Install and maintain all components of heating systems at existing and new installations.
- Design and draw schematics for steam and hot water heating systems.
- Calculate radiation requirements, heating loads, sizes of piping, gas mains, and equipment.

### **Specialty-Controls:**

- Install and maintain various types of control systems, such as Siemens, Johnson, and Andover energy management systems.

### **Specialty-Refrigeration:**

- Install and maintain centrifugal, screw and reciprocating chillers.
- Install and maintain air conditioning units including rooftops, water cooled and air cooled.
- Install and maintain walk-in freezer/coolers and stand up freezer/coolers, both water and air cooled units.

## **CONDITIONS OF EMPLOYMENT:**

The person in this position must be willing and able to do the following: 1) work under conditions of high temperature, dust, cramped spaces, and high noise levels, and 2) furnish basic steamfitter hand tools of the trade.

*Reasonable accommodations requested by qualified individuals with disabilities will be made in accordance with the Americans with Disabilities Act (ADA) of 1990.*

## **MINIMUM REQUIREMENTS:**

1. Valid driver's license and availability of a properly insured personal automobile for use on the job at time of appointment and throughout employment (*car allowance provided*).
2. Residency in the City of Milwaukee within six months of appointment and throughout employment.
3. Certification in the EPA Asbestos Abatement Training Program within six months of appointment.
4. Confined space training within six months of appointment.

**For Refrigeration Specialty:** Universal Refrigeration Certification – Compliant with EPA Requirements of Section 608 of the Clean Air Act within six months of appointment.

## **KNOWLEDGE, SKILLS, ABILITIES, AND OTHER CHARACTERISTICS:**

- Significant knowledge of the craft of steamfitting and HVAC servicing, with skill sufficient to perform the tasks typically associated with the craft at journey level.
- Thorough familiarity with the design of steam and hot water heating systems, various kinds of burners, and various kinds of regulating control systems.

## ***Steamfitter (MPS)***

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- Ability to read, design, and prepare steamfitting drawings and control schematics related to heating, ventilation, and air conditioning (HVAC) systems.
- Skill in checking, testing, repairing, and installing various types of pneumatic, electric, and solid state regulating control systems and components.
- Skill in repairing piping, radiation, and air handling units.
- Knowledge of vacuum, condensate, and hot water pumps, hot water and steam valves, and steam traps.
- Skill in installing, repairing, and maintaining all pumps, valves, and traps.
- Ability to work well with a variety of people.
- Ability to organize, prioritize, and accomplish work.
- Ability to lift/carry 75 lbs. of equipment or material and more weight with assistance.

*In addition to the knowledge, skills, and abilities listed above:*

### **Specialty-Boilers/Burners:**

- Skill in installing and maintaining industrial and commercial gas and oil burner equipment.
- Skill in welding pipe, brazing cast iron, soldering, and silver soldering copper tubing and coils.

### **Specialty-Controls:**

- Skill in the use of computers and computerized energy management systems.

### **Specialty-Refrigeration:**

- Skill in brazing, soldering and silver soldering.
- Skill installing and maintaining commercial refrigeration equipment.

**THE CURRENT HOURLY SALARY IS:** \$37.76 per hour with excellent benefits.

**THE SELECTION PROCESS** will be job related and will consist of one or more of the following: training and experience evaluation; written, oral or performance tests; or other assessment methods. The Department of Employee Relations reserves the right to call only the most qualified candidates to oral and performance examinations. Oral examinations may include written exercises. Selection process component weights will be determined by further analysis of the job.

The examination will be held as soon as practical after **January 25, 2013**. Receipt of applications may be discontinued at any time after this date without prior notice. However recruitment may continue until the needs of the City have been met. Qualified applicants will be notified by mail of the date, time and place of the examination. Unless otherwise required by law, the City of Milwaukee will not provide alternative test administration. The applicant is responsible for attending all phases of the job selection process at the time and place designated by the City of Milwaukee.

***APPLICATIONS*** and further information may be obtained in person or via mail from the City of Milwaukee Department of Employee Relations, 200 E. Wells St, Room 706, Milwaukee WI 53202-3554, by visiting [www.milwaukee.gov/jobs](http://www.milwaukee.gov/jobs), or by calling 414-286-3751.